

IN THE SPECIFICATION

Please add the following new paragraph before the first paragraph beginning at page 1, line 1:

CROSS REFERENCE TO RELATED APPLICATION

This application claims the benefit of U.S. provisional application serial no. 60/431,341 filed December 5, 2002, which is incorporated herein by reference.

Please replace the paragraph beginning at page 2, line 29:

An optimizer module 100 comprises a Multi-Objective Genetic Algorithm (MOGA) sub-module 105 and a statistical analyzer 110. The MOGA searches the hyper space whose coordinates are the different kinds of expenses and the signal processing parameters. The MOGA enables a non-deterministic search space adequately and permits the finding of global optima without being stuck at local optima from initial indications of genetic algorithm models. Applicant respectfully incorporates by reference U.S. patent application serial ~~09/717,981~~ 09/817,981 entitled "System and Method for Optimizing Parameter settings in a chain of Video Processing Algorithms" by Walid S.I. Ali and Cornelis Van Zon, and serial 09/734,823 entitled "System and Method for providing a Scalable Dynamic Objective Metric for automatic Video Quality Evaluation" by Walid S.I. Ali and Cornelis Van Zon as background material regarding the role of genetic algorithms and optimizing control parameter settings by a multi-objective engine to help formulate better search points to find global optima.